1135-18-2707   **Daniel Creamer*** (`dan1010c@math.tamu.edu`), Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843, and **Eric Rowell**. *Computational Approach to Classifying Rank 6 Modular Categories.* Preliminary report.

Each modular category has a pair of matrices, called the modular data, associated to it. We use the known relations of the modular data to classify the possible modular data of all rank six modular categories. (Received September 26, 2017)